STANDARD LOADING AND RESTOCKING OF TOOLS AND MATERIALS

SPLICING VEHICLES

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1. GENERAL

1.01 This section introduces procedures for standard loading and restocking of tools and materials carried on splicing vehicles for outside plant construction and maintenance forces. Procedures for daily restocking are described. Successful operation of the standard load method is dependent upon the efficient interaction of several force groups in order to derive the inherent benefits. The role of each force group is described. Included in this section are item lists and quantities, definitions of terms associated with standard loading, planning procedures, and a recommendation for ongoing

monitoring of the program to ensure sustained compliance with this loading procedure.

1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

2. BENEFITS

2.01 Numerous benefits are inherent in the successful utilization of a standard loading and restocking procedure. Some of these benefits are described in the following paragraphs.

2.02 *Efficiency:* The existence of known quantities of tools and materials in specific locations within the vehicle encourages neatness and reduces search time. It also enhances the probability of having all needed tools and materials on hand upon arrival at the job site. With a dependable resupply of the standard load, the splicer need only be concerned about nonstandard or special items required for a specific job. Lost time spent in storerooms, etc, preparing for the day's work will be minimized.

Note: Special items required for a specific job will be listed on the Field Job Plan Report and Daily Work Schedule by the construction foreman (see Section 620-050-010).

2.03 Fuel Economy: Fuel consumption, brake maintenance, and tire wear have a direct relationship to vehicle weight and load. The elimination of weight through planned loading and the removal of seldom used or unneeded items is a significant factor in effecting these economies. Occasionally the reduction of load will also result in reduced axle loading on vehicles equipped with aerial lift devises.

2.04 *Material Shortages:* Standard loading and daily restocking provides a systematic means of detecting and minimizing the effect of material shortages and an early warning of an

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Not for use or disclosure outside the Bell System except under written agreement item's reduced availability. It also provides the opportunity to distribute or redistribute critical items, as necessary, to ensure the timely completion of high priority jobs.

2.05 Flexibility: Standard loading permits greater flexibility in vehicle reassignment for similar work operations necessitated by breakdowns or workload shifts. This flexibility also provides the maximum opportunity to optimize fleet sizes and still maintain efficiency levels in work performance.

2.06 Tool and Material Usage: The use of the standard load and restocking concept provides an opportunity for easy monitoring of tool and material usage levels. Management of work center stock is also facilitated (see Section 620-070-100).

2.07 Tool Economics: Initial tool costs can be reduced by eliminating unnecessary duplications and the pooling of tools where possible. Tool losses and damage will be reduced through the elimination of overcrowded and overloaded storage spaces on vehicles. Maintenance time for tool repairs or refurbishing, etc, should be reduced through the increased inspection and visibility provided by the standard load.

2.08 Returned Materials: Conservation and protection of materials returned for reuse can be accomplished as a result of daily restocking and returned material pickup.

2.09 New Techniques: The introduction of new tools, materials, and techniques is facilitated by revising standard load requirements and the inclusion or removal of load items.

3. STANDARD LOAD LISTS

These lists were developed by field research 3.01 throughout the Bell System. The items included in the lists are recommended as standard load items. Recommended standard material lists are subdivided into Construction, Maintenance, and Pressure splicing categories. The recommended standard tool lists are subdivided into Construction and Maintenance with further subdivisions for Aerial, Underground, and Buried. These lists should be used as a guide for developing standard load lists for specific vehicles by predominant work assignment.

3.02 To ensure the adequacy of the standard load, it is suggested that prior to implementation in a company or area a committee composed of staff and field managers review the list for compatibility with their particular locale. Considerations should be given to unusual requirements. The committee should agree on any additions or deletions taking vehicle capacities into consideration. The committee will then publish uniform standard loads for the area by predominant type of work assigned.

3.03 Standard loading of specific vehicles will be determined as the result of type of work normally assigned as described in paragraph 3.01. Therefore, standard load lists applicable to a specific vehicle by storage arrangement should be prepared and posted inside each vehicle in plasticized envelopes for reference and verification purposes. Deviations from uniform standard loads published by the committee, acting as described in paragraph 3.02, requires district level endorsement.

3.04 The standard load lists in Fig. 1 through 4 include materials, expense tools, capital tools, and special tools for use with lead sleeves, respectively.

4. **DEFINITIONS**

4.01 Standard Load: This is a predetermined, uniform list of tool and material items in prescribed quantities. Loads and storage locations are based upon the type of work predominately assigned. Storage locations for all items in the various body styles is recommended.

Note: Each body style and storage bin arrangement will be layed out on a local basis.

4.02 Demand Load: Tools or materials that are required on a specific day for a specific work assignment over and above the standard load are determined in advance by the splicer and/or supervisor (Field Job Plan Report, Section 620-050-010). These items are ordered prior to the day they are needed on a locally approved form. Demand load items which are ultimately not used as planned must be removed and not be allowed to accumulate on the vehicle.

4.03 Overstocked Vehicle: An overstocked vehicle is one on which tools and materials exceed the quantities prescribed by the standard load list for that vehicle.

4.04 Overweight Vehicle: A vehicle is overweight when the weight of the vehicle, including driver, contents, and fuel exceeds manufacturers' specifications for loaded weight limitations. Weight considerations are particularly critical when the vehicle is equipped with an aerial device. Vehicles equipped with aerial devices must not only conform to the GVWR of the manufacturer but also the GAWR which accounts for the weight restrictions, GVWR, and the Gross Axle Weight Restrictions, GAWR, as listed by the vehicle manufacturer.)

5. PLANNING

5.01 Preparation for effective implementation of standard loading and restocking of splicing vehicles is described in this part.

5.02 Uniform standard load item lists will be prepared by a committee of staff and field managers and agreed upon as mentioned in paragraph 3.02. These lists should be reviewed with local supervisors prior to implementation. Any changes should have district level endorsement.

5.03 Vehicle loading schematics specifying the general or specific location of tools and material storage on each body style locally employed, to be included in the standard load process, should be prepared in advance. Considerations must be made as to the weight carrying abilities of each vehicle type.

5.04 Prior to implementation, the committee should notify all affected force groups of the intent to convert to standard loading and restocking including desired dates. Meetings with other force group representatives should then be held to develop implementation plans and to ensure understanding of the role of each group, acceptance of the responsibilities involved, and agreement on implementation dates.

5.05 A progressive conversion schedule, location by location, over a specified period of time should be developed in order to ensure proper staff support and to prevent artificial material shortages and excesses as a result of the conversion.

5.06 Locations (work centers) chosen for implementation of standard loading and restocking must have regularly scheduled deliveries of required tools and materials. These locations must also have manpower available for the restocking of vehicles on a daily basis during periods when the vehicles are not in use and have adequate security.

5.07 Provisions for accomplishing demand loading

must be planned and preparations made for the mechanics of carrying it out such as procedures, forms, etc.

5.08 Prior to stocking vehicles with standard load items, empty vehicles should be inspected for welding requirements to compartments, body work, etc. This should be scheduled as part of the implementation planning.

5.09 Procedures should be established for the storage, return, reuse, or transfer of excess tools and materials which will be removed from vehicles during the conversion process.

5.10 The standard load and restocking concept is dependent upon dependable shipping and transportation of tools and materials for the resupply of local storerooms. Plans should be formulated to ensure that such dependability exists or can be developed prior to implementation.

6. FORCE GROUP RESPONSIBILITIES

6.01 The following force groups are involved in the successful planning, implementation, and sustaining of the standard load and restocking system:

- Building Service
- Supply
- Shipping and Transportation
- Splicing
- Outside Plant Engineer
- Motor Vehicle
- Staff Support.

The role of each force group is described in the following paragraphs.

Building Service Force

6.02 The building service force provides and maintains adequate building space required for the implementation of the program including utilities, etc.

Supply Force

6.03 The support activities of the supply force are critical in the successful use of the standard load and restocking concepts. The supply force is responsible for maintaining the local storeroom from which standard loads are replenished and normal demand loads are drawn. Quantities of items should be kept to minimal levels but consistent with field usage rates and delivery frequencies. (Refer to Section 620-700-100 for guidelines.)

6.04 **Restocking:** Supply employees, or others as appropriate, must be assigned to restock vehicles automatically, based upon a knowledge of the standard load and inspection of the vehicle. It is not intended, in maintaining the standard load, that the person restocking the vehicle perform a complete inventory of every item as to exact quantity. Rather, a rapid inspection of materials on hand in the designated storage locations in the vehicle can be readily performed and shortages easily recognized without performing an actual count. For example, the person restocking the vehicle is not expected to distinguish between the presence of 11 items where 12 items are required, but would surely be able to recognize that a shortage existed when only 4 items were present where 12 were required. Enough flexibility is built into the standard load lists shown in this section so that minor shortages in standard load will not be of consequence under normal circumstances.

6.05 Procedures for the following situations must be developed:

(a) Vehicles are to be given standard load replenishment only when requested by the splicer. The need for standard load replenishment is signaled by the splicer, using any locally agreed upon method such as placing a flag at the rear of the vehicle, etc.

(b) Loading of "demand load" materials or tools is accomplished by the supply force as a result of the submission of a demand load form detailing the materials or tools required, date required (if beyond the next day), and the motor vehicle number. Demand load materials should be delivered to the vehicle with the demand load form indicating any items which were unavailable or backordered. These forms should ultimately be returned to the supervisor as a means of monitoring the effectiveness of the demand load program. Forms should be designed on a company-wide basis.

- (c) Salvageable and return material should be unloaded by the supply force. The need for pickup of such materials should be by prearranged signal especially in large locations.
- (d) The supply force is to keep local supervision informed of backordered items and of items they find to be in short supply. This is essential to provide the splicing foreman the opportunity to redistribute critical items to ensure the timely completion of high priority jobs. A locally agreed upon procedure should be worked out.

Shipping and Transportation Force

6.06 The shipping and transportation force should be aware of the standard load concepts and the importance of dependable delivery to storeroom locations for replenishment and "demand" items. When plans for implementation of standard loading are formulated for satellite locations or locations not having daily deliveries, the transportation aspect becomes critical to a successful program.

Splicing Force

- 6.07 It is the responsibility of the splicing force to:
 - (a) Comply with vehicle loading plan schematics as to quantity and location of tools and materials. Deviations or changes require district level endorsement.
 - (b) Maintain good housekeeping on the vehicle.
 - (c) Maintain clear access within the vehicle to standard load areas. This is mandatory in order to facilitate an efficient restocking operation.
 - (d) Indicate that standard load replenishment is required by displaying the locally agreed upon signal.

- (e) Request the pickup of return salvage material or excess materials (including excess material from demand load requests) by displaying a locally agreed upon signal.
- (f) Notify the supply force of demand load requirements by submitting the demand load form as required.
- (g) Notify the supply force of any abnormal material requirements.
- (h) Advise supply forces regarding the allocation of items which are back ordered or in short supply.

Outside Plant Engineer

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6.08 Outside plant designed by engineering directly influences the type of items carried on the splicing vehicles. Design uniformity offers benefits and economies in the selection of tools and materials which must be stocked and carried. The outside plant engineer should be apprised of the concepts of the standard loading technique and the effects engineering has upon it. Should new apparatus requiring design or technique changes be planned, forecasts of tools and materials required to effect these changes in operation must be provided to the appropriate staff forces with sufficient lead

time to prepare for the demand. Accuracy of outside plant records and maps also affects decisions regarding what tools and materials are carried on vehicles. This is especially true with the advent of techniques such as modular splicing.

Motor Vehicle Force

6.09 The motor vehicle force must become involved in the concepts of standard loading for the purpose of considering these requirements when determining and selecting body design; interior drawer, rack, and bin design; and vehicle size and load carrying capability. These considerations require ongoing advance planning as changing outside plant technology dictates modification in future vehicle design and interior load storage capabilities.

Staff Support

6.10 The staff organization should oversee, provide guidance, prepare procedures (including truck security), and coordinate the implementation of standard loading and restocking as well as periodically sample ongoing compliance and effectiveness. The staff organization should be the prime mover in ensuring that as new tools, techniques, and materials are introduced, standard load lists are updated in a timely manner and obsolete items are removed.

MATERIAL ITEM	LINIT	L WE		CONST	MTCE	PRES
		LB	oz	SPLICER	SPLICER	SPLICER
Anchor, Drive, $1/4 \ge 1$ In.	pkg	0	6	6 pkg	2 pkg	2 pkg
Cap, Plastic, "C", AT8473	pkg	0	12	1 pkg	6 pkg	_
Cap, Valve, "M" (Metal)	ctn	0	2	1 ctn	1 ctn	$4 { m ctn}$
Cap, Valve, "M" (Plastic)	etn	0	2	1 ctn	1 ctn	1 ctn
Cement, "C", 4 Oz Can	can	0	8	3 cans	1 can	1 can
Clamp, Bond "D"	12	0	8	12 ea	12 ea	12 ea
Clamp, Cable, No. 9	12	0	6	12 ea	12 ea	12 ea
Clamp, Cable, No. 11	12	0	8	12 ea	12 ea	12 ea
Clamp, Cable, No. 13	12	0	10	12 ea	12 ea	6 ea
Clamp, Cable, No. 17	12	1	0	12 ea	12 ea	6 ea
Clamp, Cable, No. 21	12	2	0	12 ea	12 ea	6 ea
Clamp, Cable, No. 25	6	1	2	6 ea	6 ea	3 ea
Clamp, Cable, No. 30	6	1	3	6 ea	6 ea	3 ea
Clamp, Cable, No. 35	6	2	2	6 ea	6 ea	3 ea
Clamp, Grd, Strand, "B"	ea	0	10	4 ea	4 ea	_
Clamp, Lashing, Cable, "D"	ea	0	3	8 ea	8 ea	4 ea
Clamp, Sealing, B1	4	0	4	4 ea	4 ea	2 ea
Clamp, Sealing, C1	4	0	5	4 ea	4 ea	2 ea
Clamp, Sealing, C2	4	0	5	4 ea	4 ea	2 ea
Clamp, Sealing C4	4	0	6	4 ea	4 ea	2 ea
Clamp, Wire, Drop "B"	10	0	6	10 ea	6 ea	4 ea
Cleaner, Hand, Waterless – 1 Pint Can	ea	1	0	2 ea	2 ea	2 ea

Fig. 1—Suggested Standard Load—Materials (Sheet 1 of 8)

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		U	NIT					
MATERIAL ITEM	UNIT	WE LB	IGHT OZ	CONST SPLICER	MTCE SPLICER	PRES SPLICER		
				10	10			
Clip, Bond, "B" (W/Appliance Wire)	12	0	3	12 ea	12 ea	6 ea		
Cloth, Aluminum, Oxide, $3 \ge 5 \cdot 1/2$ In.	12	0	1	12 ea	12 ea	4 ea		
Compound, Joint, Pipe-tite	2	0	3	$2 { m st}$	$2 ext{ st}$	$2 \mathrm{st}$		
Connector, "B", Bonding Ribbon	ea	0	2	10 ea	10 ea	4 ea		
Connector, 700-3B	pkg	3	0	$2 \ \mathrm{pkg}$	1 pkg	$1 \ \mathrm{pkg}$		
Connector, 710 Type SC/SB	ctn	1	0	$10 \ \mathrm{ctn}$	—	—		
Cord, Sealing, "B"	pkg	0	4	8 pkg	8 pkg	2 pkg		
Core, Valve, Testing, Pressure	$2 { m ctn}$	0	5	$2 { m ctn}$	$2 { m ctn}$	4 ctn		
Desiccant, B, 325 Gram, Bag	ea	0	4	4 bags	4 bags	4 bags		
Desiccant, B, 650 Gram, Can	ea	6	0	6 cans	6 cans	2 cans		
Hanger, 50-A U.G. Spl Cases in Aire	ea	0	4	4 ea	2 ea	2 ea		
Hook, Cable, Up to 7-1/2 In.	ea	0	15	6 ea	6 ea	6 ea		
Hook, Cable, Longer Than 7-1/2 In.	ea	2	0	8 ea	8 ea	8 ea		
Hook, Drive, "B"	4	1	0	4 ea	4 ea	4 ea		
Mounting, Step Pole, "B"	ea	0	8	6 ea	6 ea	6 ea		
Muslin, 4 In. Roll or 2 In. Roll	10	0	4	10 rolls	10 rolls	5 rolls		
Muslin, 6 In. Roll	10	0	6	10 rolls	10 rolls	5 rolls		
Nail, Strap	30	1	0	30 ea	30 ea	30 ea		
Ribbon, Bonding	$^{\mathrm{sp}}$	5	0	1 sp	$1 \mathrm{sp}$	$1 \mathrm{sp}$		
Ring, Drive, 5/8 In.	12	0	6	12 ea	12 ea	6 ea		
Ring, Drive, 7/8 In.	12	0	11	12 ea	12 ea	6 ea		
Screw, Drive, $1/4 \ge 2 \cdot 1/2$ In.	12	0	7	12 ea	6 ea	6 ea		

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		U	INIT									
MATERIAL ITEM	UNIT	LB	OZ	SPLICER	SPLICER	PRES						
Screw, Self-Tapping, Pan Head:												
14 x 3/4 PK8	pkg	3	0	2 pkg	2 pkg	2 pkg						
14 x 1 PK8	pkg	3	0	2 pkg	2 pkg	2 pkg						
14 x 1-1/4 PK8	pkg	3	0	2 pkg	2 pkg	2~ m pkg						
14 x 2-1/2 PK8	pkg	3	0	2 pkg	$2~{ m pkg}$	2~ m pkg						
18 x 1-1/2 PK8	pkg	3	0	2 pkg	2 pkg	2~ m pkg						
8 x 3/4 PK20	pkg	3	0	1 pkg	1 pkg	1 pkg						
8 x 1 PK20	pkg	3	0	1 pkg	1 pkg	1 pkg						
8 x 1-1/4 PK20	pkg	3	0	1 pkg	1 pkg	$1~{ m pkg}$						
8 x 1-1/2 PK20	pkg	3	0	1 pkg	1 pkg	1 pkg						
8 x 2 PK20	pkg	3	0	1 pkg	1 pkg	1 pkg						
Sealant, "B" (insulate Wire Ends)	tube	0	4	2 tubes	2 tubes	$2 \ tubes$						
Sleeving, Cotton, 1/8 In.	ea	1	0	$1 \ lb$	1 lb	1 lb						
Sleeving, Cotton, 5/32 In.	ea	1	0	1 lb	1 lb	1 lb						
Solder, Stearine Core "B"	$^{\mathrm{sp}}$	5	0	1 sp	1 sp	$1 \mathrm{sp}$						
Solution, Press, Testing, 1 pint bottle	\mathbf{btl}	0	9	2 btl	2 btl	2 btl						
Spacer, Cable, "D", 1/4 In.	12	1	9	12 ea	6 ea	6 ea						
Spacer, Cable, ''D'', 1/2 In.	12	2	0	12 ea	6 ea	6 ea						
Spacer, Cable, "D", 3/4 In.	12	2	8	12 ea	6 ea	6 ea						
Spacer, Cable, "D", 1 In.	12	3	3	12 ea	6 ea	6 ea						
Spacer, Cable, "D", 1-1/4 In.	12	4	0	12 ea	6 ea	6 ea						
Spacer, Cable, "D", 1-1/2 In.	12	5	2	12 ea	6 ea	6 ea						

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Fig. 1—Suggested Standard Load—Materials (Sheet 3 of 8)

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MATERIAL ITEM	UNIT	UI WE LB	NIT IGHT OZ	CONST SPLICER	MTCE SPLICER	PRES SPLICER
Spacer, Cable, "D", 1-3/4 In.	12	6	7	12 ea	6 ea	6 ea
Spacer, Cable, "D", 2 In.	12	7	6	6 ea	4 ea	4 ea
Spacer, Cable, "D", 2-1/4 In.	12	8	7	6 ea	4 ea	4 ea
Spacer, Cable, "D", 2-1/2 In.	12	9	6	6 ea	4 ea	4 ea
Spacer, Plastic Cable, 1 In. CCP-10	12	0	10	12 ea	6 ea	6 ea
Spacer, Plastic Cable, 1-21/2 In. CCP-15	12	0	12	12 ea	6 ea	6 ea
Stearine AT4320	\mathbf{stk}	0	2	1 stick	1 stick	1 stick
Step, Pole, Spike Head	ea	1	0	4 ea	2 ea	2 ea
Spirits, Petroleum, KS7860	ea	1	0	1 pt can	1 pt can	1 pt can
Strap, Bond 6 In	6	1	0	6 ea	6 ea	2 ea
Strap, Bond 11 In.	6 ⁻	0	4	6 ea	6 ea	2 ea
Strap, Cable, No. 9	6	0	3	10 ea	6 ea	10 ea
Strap, Cable, No. 11	6	0	5	10 ea	6 ea	10 ea
Strap, Cable, No. 13	6	0	7	10 ea	6 ea	10 ea
Strap, Cable, No. 16	6	0	9	10 ea	6 ea	6 ea
Strap, Cable, No. 20	6	0	11	10 ea	6 ea	6 ea
Strap, Cable, No. 24	6	1	0	10 ea	6 ea	6 ea
Support, Cable, Lashed, "B", 16 In.	pkg	0	6	1 pkg	1 pkg	1 pkg
Support, Cable, Lashed, "B", 22 In.	pkg	0	8	1 pkg	1 pkg	1 pkg
Support, Cable, Lashed, "B", 28 In.	pkg	1	0	1 pkg	$1~{ m pkg}$	1 pkg
Support, Cable, Lashed, "B", 34 In.	pkg	1	2	1 pkg	1 pkg	1 pkg
Support, Cable, Plastic, Lashed, "C", 13-1/2 In.	pkg	0	8	1 pkg	1 pkg	1 pkg
Support, Cable, Plastic, Lashed, "C", 27-1/2 In.	pkg	ò	9	1 pkg	1 pkg	1 pkg

MATERIAL ITEM	UNIT	U WE LB	NIT IGHT OZ	CONST SPLICER	MTCE SPLICER	PRES SPLICER
Tag, Cable, Strap, Lead, Ident	ea	0	1	5 ea	5 ea	5 ea
Tape, Vinyl, "D" or "F", 1 In.	roll	0	5	6 rolls	6 rolls	6 rolls
Tape, Paper, "B"	roll	0	2	2 rolls	3 rolls	1 roll
Tape, Aluminum, "B", 4 In.	roll	0	8	2 rolls	2 rolls	1 roll
Tape, Polyethylene, "B", 35 In.	roll	0	3	4 rolls	2 rolls	2 rolls
Tape, DR, 2 x 15 In.	roll	1	4	2 rolls	2 rolls	2 rolls
Tape, Friction, 2 In.	roll	0	8	2 rolls	2 rolls	2 rolls
Tape, Friction, 3/4 In.	roll	0	4	2 rolls	2 rolls	2 rolls
Tape, Glass, "B"	roll	0	8	2 rolls	2 rolls	1 roll
Tape, Sealing, "B"	roll	0	12	12~ m pkg	12 pkg	12 pkg
Tape, CR 28 In., CR 36 In.	roll	21	0	1 roll	1 roll	1 roll
Valve, Air TR15R	ea	0	2	3 ea	3 ea	3 ea
Valve, Testing, Press, "C" (W/O Flange-For Lead)	ctn	0	5	1 ctn	1 ctn	1 ctn
Valve, Testing, Press, "F" (U/W Flange)	ctn	0	5	$1 { m ctn}$	1 ctn	1 ctn
Wire, Appliance, "B", 50 pt. 14 GA-Standard-Wht	$^{\mathrm{sp}}$	1	0	2 spools	2 spools	1 spool
Wire, X Conn, "G", Paired, White-Violet	coil	3	13	1 coil	1 coil	1 coil
Washer, Sealing, F-0	pkg	3	8	2 pkg	2 pkg	2 pkg
Washer, Sealing, F-3	1	†	A	4	A	≜
Washer, Sealing, F-4						
Washer, Sealing F-5						
Washer, Sealing, F-6						
Washer, Sealing, F-7						
Washer, Sealing, F-8	Ļ		4		4	
1	pkg	3	8	2 pkg	2 pkg	2 pkg

Fig. 1—Suggested Standard Load—Materials (Sheet 5 of 8)



Fig. 1—Suggested Standard Load—Materials (Sheet 6 of 8)

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MATERIAL ITEM	UNIT	UNIT WEIGHT LB OZ	CONST	MTCE SPLICER	PRES SPLICER
Washer, Sealing, H-16	pkg	3 8	2 pkg	2 pkg	2 pkg
Washer, Sealing, H-17	A	A			•
Washer, Sealing, H-18					
Washer, Sealing, H-19					
Washer, Sealing, H-20					
Washer, Sealing, H-21	1]	
Washer, Sealing, H-22					
Washer, Sealing, HF				1	
Washer, Sealing, J-0				i.	1
Washer, Sealing, J-16					
Washer, Sealing, J-17			i.	F	
Washer, Sealing, J-18					
Washer, Sealing, J-19					
Washer, Sealing, J-20					
Washer, Sealing, J-21					
Washer, Sealing, J-22					
Washer, Sealing, J-23	2				
Washer, Sealing, J-24					ĺ
Washer, Sealing, J-25					Ì
Washer, Sealing, J-26					
Washer, Sealing, J-27					
Washer, Sealing, J-28					1
Washer, Sealing, J-29	pkg	38	2 pkg	2 pkg	$2 \mathrm{pkg}$

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Fig. 1—Suggested Standard Load—Materials (Sheet 7 of 8)

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	AT OR KS	BSP SECTION	CONSTR			l	UNIT WEIGHT				
EXPENSE TOOLS	NO.	REF	AER	BUR	UG	AER	BUR	UG	PRES	LB	oz
Bag, Glove, "B"	8338	081-710-200	1	1	1	1	1	1	1	0	8
Bag, Junk, Canvas	6256		1	1	1	1	1	1	1	2	3
Bag, Platform, Foot, "B"	8459	081-300-015	1	—		1		—		5	0
Bag, Tent, "B"	8040	081-310-121	1	_	—	1		—	—	2	4
Bandage, Rubber, 4 In. x 14 ft.	6843			—	5	5	5	5	5	0	11
Bar, Pry, Small (10 In. to 12 In., Crow)	7668	633-460-210	1	1	1	1	1	1	1	1	0
Belt, Body	8426	081-720-101	1	1	1	1	1	1	1	6	0
Bender, Cable, Strap (Web, Straps)	6290	081-410-115	2		4	_	—	2	6	0	14
Bit, Auger, 8/16 In. x 8 In. (Pole Step)	6396	081-745-105	1	1	. —		—		—	0	3
Blanket, Rubber, 36 In. x 36 In.	6651		1	1	2	1	1	2	1	1	12
Board, Tag (Linen or Fiber) 1 to 50	7811	106-310-100	12	12	12	25	25	25	—	0	6
Board, Tag (Linen or Fiber) 51 to 100	7811	106-310-100	12	12	12	25	25	25		0	6
Bond, Cable, ''B'', Temporary	7133	638-300-200	2	2	2	2	2	2	2	0	14
Bond, Cable, Temporary (U/W Alpeth											
or Stelpath)		638-300-200	2	2	2	2	2	2	2	1	10
Boots, Pullover	*		1	1	1	1	1	1	1	3	2
Brace, Rachet, "B"	6936		1	1	1	—			<u> </u>	3	2
Broom, Whisk (Any Type-Hand)	*		1	1	1	1	1	1	1	0	4
Brush, Carding, W/Guard	7262		2	1	2	2	1	2	2	0	3
Brush, Soap	7272	081-852-102	1	1	1	1	1	1	1	0	4
Brush, Tool, Water	7260	631-800-311	—	_	—	1	1	1	1	0	4
Bucket, Canvas, 12 In.	6673		2	2	2	2	2	2	2	2	4

Fig. 2-Suggested Standard Load-Expense Tools (Sheet 1 of 7)

	AT OR KS	BSP SECTION	CONSTR MTCE								√IТ IGHT	
EXPENSE TOOLS	NO.	REF	AER	BUR	UG	AER	BUR	UG	PRES	LB	oz	
Bucket, Soap	7271	081-852-122	1	1	1	1	1	1	1	0	10	
Case, Indicator, Gas, "B"	8319	081-700-121	1	1	1	1	1	1	1	5	0	
Case, Spectacle, Safety Glasses		081-020-011	1	1	1	1	1	1	1	0	4	
Cask, Water, "B" or "C"	8524	649-040-115	1	1	1	1	1	1	1	16	0	
Chock, Wheel, W/Shoes		649-040-200	2	2	2	2	2	2	2	7	8	
Climbers, Pr, W/Pads & Straps	8530	081-730-101	1	1	1	1	1	1	1	6	4	
Clip, Test, "B" (Clip Onto Main Frame)	7950	106-315-101	2	2	2	3	3	3	2	0	1	
Clip, Transfer, Cable (Single Cond)	6869		4	4	4	4	4	4	4	0	2	
Cone, Warning, Fluorescent, 18 In. or 28	8486	081-200-105	8	8	12	8	8	12	12	6	0	
Cord, Extension, 115-Volt, 30 Ft.	7637	6 20-103-010	1	1	1	1	1	1		3	4	
Cord, Transfer, "B" (Red & Black 2 Cond Clip)	8329	106-300-115	1	1	1	1	1	1	_	0	5	
Die, Numbering, Steel, $1/4$ In. -0.9	6688		1	1	1	1	1	1	1	0	5	
Drill, Cable, "B" or "C"	7790	081-600-100	1	1	1	1	1	1	1	0	10	
Drill, Cable, D, 1/2 In. (Plug Opening)	7533	081-600-100	1	1	1	1	1	1	1	0	12	
Drill, Masonry, 1/4 In.	6558	081-745-111	1	1	1	1	1	1	1	0	1	
Drill, Masonry, 5/16 In.	6558	081-745-111	1	1	1	1	1	1	1	0	1	
Drill, Masonry, 3/8 In.	6558	081-745-111	1	1	1	1	1	1	1	0	1	
Extractor, Anchor	6796		1	1	1	1	1	1	1	1	0	
File, H, Combination, 8 In.	6779		1	1	1	1	1	1	1	0	8	
File, H, Hand, 10 In.	6779		1	1	1	1	1	1	1	0	10	
Frame, Hacksaw, W/Blades	8551		1	1	1	1	1	1	1	1	13	
Fuses, Warning (Roadway Flares)	*		3	3	3	3	3	3	3	0	12	

	AT OR KS	CONSTR			1		UNIT WEIGHT				
EXPENSE TOOLS	NO.	REF	AER	BUR	UG	AER	BUR	UG	PRES	LB	oz
Gauge, Pressure, "C"	7717	081-602-103	1	1	1	1	1	1	1	1	4
Glasses, Safety, "B"	8529	081-020-011	1	1	1	1	. 1	1	1	0	2
Gloves, Insulating, Rubber, Pr	8440	081-710-200	1	1	1	1	1	1	1	0	6
Gloves, Workman (With or W/O Gauntlet)	*		1	1	1	1	1	1	1	0	8
Gloves, Protector (Rubber Glove Prot)	7597	081-710-200	1	1	1	1	1	1	1	1	4
Glove, Liner (Inside Rubber Glove) Pr	7599	081-710-200	1	1	1	1	1	1	1	0	2
Goggles, B (Clear W/Case)	8350	081-020-011	1	1	1	1	1	1	1	0	5
Grip, Wire, Lashing (Temp Clamp)	8605	081-020-114	4	_	—	4	_		2	1	1
Guard, Manhole, (Folding Barricade)	6867	620-135-100		1	1	—	1	1	1	63	0
Hammer, Claw, 1 Lb	7329	081-745-102	1	1	1	1	1	1	1	1	0
Hammer, Drilling, 1-1/4 Lb	7329	081-745-102	1	1	1	1	1	1	1	1	4
Hammer, Lineman's 3 Lb	7329	081-745-102	1	1	_		_		_	3	0
Handline, Aerial (W/Chain)	6859	081-512-100	1			1	—	—	1	6	8
Handle, Pruner, Extension, 6 ft Sec	6600	081-770-101		—	—	3		—	3	4	8
Handline, Underground	6859	081-512-100	_	_	1	—	—	1	1	2	0
Hat, Safety	*	081-020-010	1	1	1	1	1	1	1	1	. 0
Holder, Drill, L (Rubberized)	6563	081-745-111	1	1	1	1	1	1	1	1	0
Holder, Torch, Acetylene	7666	081-330-105	1	1		1	1	—	1	5	0
Holster, "D"	7065	081-720-111	1	1	1	1	1	1	1	0	9
Hood, Cable Drying	*	632-800-301		. —	1	1	1	1	—	2	0
Hook, Cover, Manhole	8172	620-150-010	—	—	2	—	_	2	2	3	4
Hose, Blower, 8 In. x 15 Ft (With Carrier)	8418	649-510-115	—	_	1	_	—	1	1	12	0
Hose, Air, High Pressure, 25 Ft	7676	081-320-104	1	1	1	1	1	1	1	2	0

Fig. 2—Suggested Standard Load—Expense Tools (Sheet 3 of 7)

	AT OR	BSP				r	UNIT				
EXPENSE TOOLS	KS NO.	REF -	AER	BUR	R UG	AER	BUR	UG UG	PRES	WEI LB	GHT OZ
Hose, Suction (Any Type) 3 In. x 20 Ft	8320	649-530-105		_	1			1	1	49	0
Hose, Discharge (Any Type) 3 In. x 15 Ft	8321	649-530-105	_	_	1	-		1	1	23	8
Jack, Racking, Cable	7286	632-305-015			2		_	2	2	11	0
Kit, First Aid	8682	010-100-009	1	1	1	1	1	1	1	2	8
Kit, Splice Case, Fast-Pak	*	081-420-106			2	_		2		0	8
Kit, Test, Gas, "C" (W/Coupling Hoses)	8594	081-700-122	1	1	1	1	1	1	1	5	0
Kit, Wrench, "D" (Socket Set)	8381	081-020-103	1	1	1	1	1	1	1	1	8
Knife, Chipping, Small (W/Guard)	6312	632-315-200	1	1	1	1	1	1	1	0	8
Knife, Skinning, "S" (Blue Handle)	*		1	1	1	1	1	1	1	0	3
Lamp, Hand, 6V (Battery, Portable-Any type)	*	081-340-102	1	1	1	1	1	1	1	1	6
Lamp, Hand, Fluorescent (W/Cord – Any)	*	081-340-102	1	1	1	1	1	1	1	2	0
Lamp, Head	7698	081-340-102	—		_	1	1	1	—	2	0
Mirror, Splicers (W/Case)	7423		1	1	1	1	1	1	1	0	4
Opener, Sheath, Cable	7274	637 - 395 - 312	1	1	1	1	1	1	1	0	6
Padlock — Temp (Secure Tools & Mtl)	8149		1	1	1	1	1	1	4	0	4
Pick, Test, Needle Point	6491	10 6 -310-105	1	1	1	1	1	1	1	0	2
Platform, Ladder, "D"	8002	081-300-105	1	_		1	—	—	1	20	0
Plank, Platform, "B", M.H. 12 In. x 2 In. x 6 Ft.	7265	081-300-100		_	2	_	_	2	2	31	0
Pliers, Combination (Slip-Joint)	8420		1	1	1	1	1	1	1	0	7
Pliers, Cutting, Side, "B"	7859		1	1	1	1	1	1	1	0	15
Pliers, Diagonal	7858		1	1	1	1	1	1	1	0	5
Pliers, Nose, Long, "G"	7860	081-020-133	1	1	1	1	1	1	1	0	5

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* Local Preference and Availability

	AT OR	BSP								UNIT	
EXPENSE TOOLS	KS NO.	SECTION . REF	AER	CONST BUR	R UG	AER	BUR	MTCE UG	PRES	WEI LB	IGHT OZ
Pocket, Canvas-B (Body Belt Ditty Bag)	7196		1	1	1	1	1	1	1	0	8
Pouch, Tool, "E" (Holds Knife & Snips)	8513		1	1	1	1	1	1	1	0	2
Presser, Connector, "F"	8686	081-852-130	1	1	1	1	1	1	1	1	4
Presser, Connector, "K"	8887	626-500-101	1	1	1	_			_	0	12
Probe, Test	8629	106-005-100	1	1	1	1	1	1	1	0	4
Puller, Slack "F"	8245	081-020-115	1	—		1			1	11	0
Rags, Cleaning, 3 Lb (or Equivalent)	*		1	1	1	1	1	1	1	3	0
Regulator, Pressure, Propane (W/E Hose)	7553	081-330-116	1	1	2	1	1	1	1	5	0
Regulator, Testing, Pressure, "B" (W/Hose)	8221	081-601-100	_	_	2	1	1	1	3	6	0
Rule, Measuring, 6 Ft.	6911		1	1	1	1	1	1	1	0	3
Scissors (Splicers Snips)	7987		1	1	1	1	1	1	1	0	3
Screwdriver, 4 In.	7825	075-160-301	1	1	1	1	1	1	1	0	4
Screwdriver, 5 In.	7825	075-160-301	1	1	1	1	1	1	1	0	5
Seat, Splicers, Cable (Splicer's Box)	7186		1	1	1	1	1	1	1	15	0
Set, Hand, 1013A (Dumb Bell)		106-020-113	1	1	1	1	1	1	1	2	12
Set, Head, 52E		106-005-100	1	1	1	1	1	1	1	1	0
Shaper, Pipe, "C"	8631	637-050-100			1		—	1	1	0	3
Shoe Bending Cable "B"	8657	632-305-015		_	2	—	—	2	2	2	8
Shovel, Handle, Long, 5 Ft	8135			1	1		1	1	—	4	12
Stand, Warning, Safetyscope, Complete, W/Sig	n										
Leg Extn - Yoke (or Equivalent)	*	620-135-100	2	2	2	2	2	2	2	24	0
Step, Pole, Detachable		081-735-600	4	4	4	4	4	4	4	0	2

Fig. 2—Suggested Standard Load—Expense Tools (Sheet 5 of 7)

	OR	BSP	CONSTR			1	UN				
EXPENSE TOOLS	NO.	REF	AER	BUR	UG	AER	BUR	UG	PRES	LB	oz
Stick, Orange	6320		3	3	3	3	3	3	3	0	1
Strap, Safety		081-720-101	1	1	1	1	1	1	1	3	0
Suit, Rain	*		1	1	1	1	1	1	1	_	
Support, Ladder, "C"	8635	081-300-105	1	_		1	_	_	1	7	0
Support, Platform, MH, "D"	8633	081-300-100	—	—	2	_	_	2	2	16	8
Tank, Gas, Acetylene (MC or B)		081-330-105	1	—	—	1	—		1	10	0
Tape, Meas, "B" (Plastic For Ca Circum)	8234	633-400-300	1	1	1	1	1	1	1	0	1
Tape, Meas, Woven 150 Ft	7338	081-220-100	1	1	—	1	1	1	—	3	8
Tarpaulin, Vinylite, 4 Ft x 6 Ft	8354	081-020-113	1	1	1	1	1	1	1	2	0
Telephone, Splicer's W/Bell (Can be called)	*		1	1	1	1	1	1		6	8
Tester, Voltage, "B", W/Bag	7731	081-705-101	1	1	1	1	1	1	1	0	8
Tool, Cutter-Presser, "C"	8764	081 - 852 - 132	1	1	1	1	1	1	1	5	0
Tool, No. 216B (Can Wrench)			1	1	1	1	1	1	1	0	4
Tool, Removal, Bridge, "B"	8745		1	1	1	1	1	1	1	0	8
Tool, 417 (Punch On)	*		1	1	1	1	1	1	1	0	4
Tool, Repair, Valve	7471	637-235-100	1	1	1	1	1	1	1	0	2
Torch, Acetylene, Complete (Less Tank)	7932	081-330-105	1	-	—	1			1	2	4
Tray, Canvas, "B"	7755	081-020-130	1	1	1	1	1	1	1	3	0
Umbrella, "D"	8092	081-310-100	1	1	—	1	1		1	9	0
Vest, Safety, Universal	*		1	1	1	1	1	1	1	0	4
Wedge, Ladder(To Level Footing)	*	081-740-105	1		—	1	—	_	1	3	0
Wrench, Lineman's "B" (Lag Wrench)	7389		1	10.00		1	—	_	1	1	12

		BSP SECTION	CONSTR			MTCE				UNIT WEIGHT	
EXPENSE TOOLS	NO.	REF	AER	BUR	UG	AER	BUR	UG	PRES	LB	oz
Wrench, Ratchet, "B" (7/16 In. Box Ratchet)	7511		1	1	1	1	1	1	1	0	2
Wrench, Regulator, "C"	7516	081-330-116	1	1	1	1	1	1	1	1	2
Wrench, Torque, ''B''	8411	081-420-103	1	1	1	1	1	1	1	1	4
Wrench, Adjustable (8 In. Crescent)	*		1	1	1	1	1	1	1	0	9

Fig. 2—Suggested Standard Load—Expense Tools (Sheet 7 of 7)

	AT OR KS	BSP		CONST	R	1		U1 WE	NIT IGHT		
CAPITAL TOOLS	NO.	REF	AER	BUR	UG	AER	BUR	UG	PRES	LB	oz
Blower, Electric (12 Volt or 115 Volt)	*	649	_	_	1	_		1	1	15	±
Cutter-Presser 710 Connector B, C, D or E (Complete)	8687	081-852-132	1	1	1		_	_	-	42	0
Cylinder Nitrogen, 112 Cu Ft **	7168	637-300-100	1	1	1	1	1	2	_	83	0
Cylinder Nitrogen, 224 Cu Ft **	7168	637-300-100	—	_	1	Kerden			3	150	0
Cylinder, Propane, 20 Lb **	7251	081-330-116	—	_	—	—		1	1	45	0
Cylinder, Propane, 40 Lb **	7251	081-330-116		_	1		—		—	79	0
Detector, Leak, Ultrasonic (Any Mft W/Case)	*	106-005-100	—			-			1	12	±
Heater, Tent, "B"	7874	081-315-102	1	1	—	1	1	_		6	0
Indicator, Gas (Explosimeter)	7862	081-700-100	1	1	1	1	1	1	1	6	0
Kit, Lead Cutting – Masonry Drilling	*	081-020-116	-	—	1	—	—	1		10	±
Ladder, Extension (Aerial)	8616	081-740-105	1	_	—	1	—		1	54	0
Ladder, Extension (UG-MH Ladder)	*			1	1	· _	1	1	1	21	0
Platform, Aerial, "D"	7954	081-300-015	1	_		1		******	1	53	0
Pump, MH (Any Type)	*		_	-	1	_	-	1	1	30	±
Regulator, Gas, "C" (2 Stages W/Hose)	7553	081-601-100	1	1	1	_			_	10	0
Set, Test, Cable, Auto-Pair ID, Field Unit	*	106-310-122	1	1	1	_				11	0
Set, Test, Cable, Fault Locating	*		_	_		1	1	1	1	10	0±
Set, Test, 91A		106-300-100	1	1	1	1	1	1	1	1	0
Set, Test, 101B (Exploring Coil)		106-340-115	1	1	1	1	1	1	1	0	8
Set, Test, 105D		106-340-115	_	_		1	_	·		5	0
Set, Test, 152A		634-400-530	1	1	1	—	—	—		10	0
Set, Test, KS Meter (Any Volt-Ohm)	8455	106-020-100	1	1	1	1	1	1	1	3	2
* Local Preference and Availability											

** Not a Tool

	AT OR KS	BSP		CONST	'n		UNIT WEIGHT				
CAPITAL TOOLS	NO.	SECTION	AER	BUR	UG	AER	BUR	UG	PRES	LB	oz
Set, Test Exploro (U/W Leak Locator)	*	106-005-100	_		—	_	—		1	5	0±
Set, Test 76C or 146A	*	106-020-125	—			1	1	1	1	11	0
Shield, MH	8455	081-215-100	_		1			1	1	21	8
Tent, Workman's "D"		081-310-107	1	1		1	1		—	30	0
Tent, MH (Any Type)	6881	081-310-103	—		1		—	1		23	0
Wrench, Impact, "B"-"C"	8717	081-020-101	1	1	1	1	1	1	1	8	0

Fig. 3—Suggested Standard Load—Capital Tools (Sheet 2 of 2)

SPECIALIZED TOOLS USED WITH LEAD SLEEVES	AT OR KS NO.	AT OR BSP KS SECTION NO. REF		QUANTITY	U W LB	JNIT EIGHT 07
Cloth, Wiping, Flat, 1/2 In.			 E	1		11
Cloth, Wiping, Flat, 3 In.			E	1	Å	
Cloth, Wiping, Flat, 3-1/2 In.			F	1		
Cloth, Wiping, Flat, 4 In.			E.	1		
Cloth, Wiping, Flat, 6 In.			F	1		
Cloth, Wiping, Flat, 8 In.			E	1		
Cloth, Wiping, Flat, 11 In.			E	1		
Cloth, Wiping, Vertical, 2-3/4 In.			E F	1		
Cloth, Wiping, Vertical, 6 In.			л Г	1		
Copper, Soldering, Chisel Pt, 2 Lb	6722	081-330-100	E F	1	3 2	14 8
Copper, Soldering, Pyramid, 2 Lb	6722	081-330-100	E	1	2	4
Dresser, Cable, Plastic, "B"	8727		E	1	1	4
Furnace, Propane, "D"	7931	081-330-115	E	1	10	о О
Glove, Wiping, "B" (Right & Left)	8314	101 000 110	E	1	10	0
Hook, Pot, "B"	7170		E	1	1	1
Hook, Shave, "B" (W/Guard)	7151		E	1	1	4
Knife, Chipping, Large W/Guard	6312		E	1	1	4
Ladle, Solder	6085		F	1	1	0
Pan, Solder	6877		Б	1	1	4
Pot, Paraffin	6627		ъ Г	1	2	4
Pot, Solder, 8 In	8276		E	1	8	0
Rasp Lead Shoe, Half Round	6770		E	1	15	0
Saw, Cable (W/Guard)	0119		Е	1	0	12
Shield, Solder, Pot	7363	001 000 117	E	1	1	0
Slitter, Sleeve, Lead "B"	7566	081-330-115	Е —	1	2	0
Spreader, Lead Sleeve	7449	081-780-105	\mathbf{E}	1	0	14
	6748		E	1	0	11